

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to an improved method and
apparatus for injection molding and cooling molded articles
such as preforms so as to avoid crystallinity. The
apparatus and method make use of a take-off plate for
removing articles from a mold, which plate may include heat
transfer devices for cooling exterior surfaces of the molded
articles or preforms, and a system for cooling in a
controlled manner interior surfaces of the molded articles
10 or preforms.